

SEQUENCE LISTING

<110> YAN, Chunhua et al.

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Ser	Tyr	Ala	Thr	Val	Tyr	Lys	Gly	Lys	Ser	Lys	Val	Asn	Gly	Lys	Leu
			20					25					30		
Val	Ala	Leu	Lys	Val	Ile	Arg	Leu	Gln	Glu	Glu	Glu	Gly	Thr	Pro	Phe
		35					40						45		
Thr	Ala	Ile	Arg	Glu	Ala	Ser	Leu	Leu	Lys	Gly	Leu	Lys	His	Ala	Asn
		50				55					60				
Ile	Val	Leu	Leu	His	Asp	Ile	Ile	His	Thr	Lys	Glu	Thr	Leu	Thr	Leu
65					70					75					80
Val	Phe	Glu	Tyr	Val	His	Thr	Asp	Leu	Cys	Gln	Tyr	Met	Asp	Lys	His
				85					90					95	
Pro	Gly	Gly	Leu	His	Pro	Asp	Asn	Val	Lys	Leu	Phe	Leu	Phe	Gln	Leu
			100					105						110	
Leu	Arg	Gly	Leu	Ser	Tyr	Ile	His	Gln	Arg	Tyr	Ile	Leu	His	Arg	Asp
		115					120						125		
Leu	Lys	Pro	Gln	Asn	Leu	Leu	Ile	Ser	Asp	Thr	Gly	Glu	Leu	Lys	Leu
		130				135						140			
Ala	Asp	Phe	Gly	Leu	Ala	Arg	Ala	Lys	Ser	Val	Pro	Ser	His	Thr	Tyr
145					150					155					160
Ser	Asn	Glu	Val	Val	Thr	Leu	Trp	Tyr	Arg	Pro	Pro	Asp	Val	Leu	Leu
				165					170					175	
Gly	Ser	Thr	Glu	Tyr	Ser	Thr	Cys	Leu	Asp	Met	Trp	Gly	Val	Gly	Cys
			180					185					190		
Ile	Phe	Val	Glu	Met	Ile	Gln	Gly	Val	Ala	Ala	Phe	Pro	Gly	Met	Lys
		195					200						205		
Asp	Ile	Gln	Asp	Gln	Leu	Glu	Arg	Ile	Phe	Leu	Val	Leu	Gly	Thr	Pro
	210					215					220				
Asn	Glu	Asp	Thr	Trp	Pro	Gly	Val	His	Ser	Leu	Pro	His	Phe	Lys	Pro
225					230					235					240
Glu	Arg	Phe	Thr	Leu											
				245											

<210> 8

<211> 330

<212> PRT

<213> Mus musculus

<400> 8

Phe	Gly	Lys	Ala	Asp	Ser	Tyr	Glu	Lys	Leu	Glu	Lys	Leu	Gly	Glu	Gly
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Ser	Tyr	Ala	Thr	Val	Tyr	Lys	Gly	Lys	Ser	Lys	Val	Asn	Gly	Lys	Leu
			20					25					30		
Val	Ala	Leu	Lys	Val	Ile	Arg	Leu	Gln	Glu	Glu	Glu	Gly	Thr	Pro	Phe
		35					40						45		
Thr	Ala	Ile	Arg	Glu	Ala	Ser	Leu	Leu	Lys	Gly	Leu	Lys	His	Ala	Asn
		50				55					60				
Ile	Val	Leu	Leu	His	Asp	Ile	Ile	His	Thr	Lys	Glu	Thr	Leu	Thr	Leu
65					70					75					80
Val	Phe	Glu	Tyr	Val	His	Thr	Asp	Leu	Cys	Gln	Tyr	Met	Glu	Gln	His
				85					90					95	
Pro	Gly	Gly	Leu	His	Pro	Asp	Asn	Val	Lys	Leu	Phe	Leu	Phe	Gln	Leu
			100					105						110	

Leu Arg Gly Leu Ser Tyr Ile His Gln Arg Tyr Ile Leu His Arg Asp
 115 120 125
 Leu Lys Pro Gln Asn Leu Leu Ile Ser Asp Thr Gly Glu Leu Lys Leu
 130 135 140
 Ala Asp Phe Gly Leu Ala Arg Ala Lys Ser Val Pro Ser His Thr Tyr
 145 150 155 160
 Ser Asn Glu Val Val Thr Leu Trp Tyr Arg Pro Pro Asp Val Leu Leu
 165 170 175
 Gly Ser Thr Glu Tyr Ser Thr Cys Leu Asp Met Trp Gly Val Gly Cys
 180 185 190
 Ile Phe Val Glu Met Ile Gln Gly Val Ala Ala Phe Pro Gly Met Lys
 195 200 205
 Asp Ile Gln Asp Gln Leu Glu Arg Ile Phe Leu Val Leu Gly Thr Pro
 210 215 220
 Asn Glu Asp Thr Trp Pro Gly Val His Ser Leu Pro His Phe Lys Pro
 225 230 235 240
 Glu Arg Phe Thr Val Tyr Ser Ser Lys Ser Leu Arg Gln Ala Trp Asn
 245 250 255
 Lys Leu Ser Tyr Val Asn His Ala Glu Asp Leu Ala Ser Lys Leu Leu
 260 265 270
 Gln Cys Ser Pro Lys Asn Arg Leu Ser Ala Gln Ala Ala Leu Ser His
 275 280 285
 Glu Tyr Phe Ser Asp Leu Pro Pro Arg Leu Trp Glu Leu Thr Asp Met
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 325 330

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 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 9
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 Val Ala Leu Lys Val Ile Arg Leu Gln Glu Glu Glu Gly Thr Pro Phe
 35 40 45
 Thr Ala Ile Arg Glu Ala Ser Leu Leu Lys Gly Leu Lys His Ala Asn
 50 55 60
 Ile Val Leu Leu His Asp Ile Ile His Thr Lys Glu Thr Leu Thr Leu
 65 70 75 80
 Val Phe Glu Tyr Val His Thr Asp Leu Cys Gln Tyr Met Asp Lys His
 85 90 95
 Pro Gly Gly Leu His Pro Asp Asn Val Lys Leu Phe Leu Phe Gln Leu
 100 105 110
 Leu Arg Gly Leu Ser Tyr Ile His Gln Arg Tyr Ile Leu His Arg Asp
 115 120 125
 Leu Lys Pro Gln Asn Leu Leu Ile Ser Asp Thr Gly Glu Leu Lys Leu
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 Ala Asp Phe Gly Leu Ala Arg Ala Lys Ser Val Pro Ser His Thr Tyr
 145 150 155 160
 Ser Asn Glu Val Val Thr Leu Trp Tyr Arg Pro Pro Asp Val Leu Leu

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Gly	Ser	Thr	Glu	Tyr	Ser	Thr	Cys	Leu	Asp	Met	Trp	Gly	Val	Gly	Cys		
			180					185					190				
Ile	Phe	Val	Glu	Met	Ile	Gln	Gly	Val	Ala	Ala	Phe	Pro	Gly	Met	Lys		
		195					200					205					
Asp	Ile	Gln	Asp	Gln	Leu	Glu	Arg	Ile	Phe	Leu	Val	Leu	Gly	Thr	Pro		
	210					215					220						
Asn	Glu	Asp	Thr	Trp	Pro	Gly	Val	His	Ser	Leu	Pro	His	Phe	Lys	Pro		
	225				230					235					240		
Glu	Arg	Phe	Thr	Leu	Tyr	Ser	Ser	Lys	Asn	Leu	Arg	Gln	Ala	Trp	Asn		
				245					250					255			
Lys	Leu	Ser	Tyr	Val	Asn	His	Ala	Glu	Asp	Leu	Ala	Ser	Lys	Leu	Leu		
			260					265					270				
Gln	Cys	Ser	Pro	Lys	Asn	Arg	Leu	Ser	Ala	Gln	Ala	Ala	Leu	Ser	His		
		275					280					285					
Glu	Tyr	Phe	Ser	Asp	Leu	Pro	Pro	Arg	Leu	Trp	Glu	Leu	Thr	Asp	Met		
	290				295					300							
Ser	Ser	Ile	Phe	Thr	Val	Pro	Asn	Val	Arg	Leu	Gln	Pro	Glu	Ala	Gly		
	305				310					315					320		
Glu	Ser	Met	Arg	Ala	Phe	Gly	Lys	Asn	Asn								
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<210> 10

<211> 330

<212> PRT

<213> Mus musculus

<400> 10

Phe	Gly	Lys	Ala	Asp	Ser	Tyr	Glu	Lys	Leu	Glu	Lys	Leu	Gly	Glu	Gly		
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Ser	Tyr	Ala	Thr	Val	Tyr	Lys	Gly	Lys	Ser	Lys	Val	Asn	Gly	Lys	Leu		
		20					25					30					
Val	Ala	Leu	Lys	Val	Ile	Arg	Leu	Gln	Glu	Glu	Glu	Gly	Thr	Pro	Phe		
		35				40						45					
Thr	Ala	Ile	Arg	Glu	Ala	Ser	Leu	Leu	Lys	Gly	Leu	Lys	His	Ala	Asn		
	50				55					60							
Ile	Val	Leu	Leu	His	Asp	Ile	Ile	His	Thr	Lys	Glu	Thr	Leu	Thr	Leu		
	65			70				75					80				
Val	Phe	Glu	Tyr	Val	His	Thr	Asp	Leu	Cys	Gln	Tyr	Met	Asp	Lys	His		
			85					90				95					
Pro	Gly	Gly	Leu	His	Pro	Asp	Asn	Val	Lys	Leu	Phe	Leu	Phe	Gln	Leu		
			100					105				110					
Leu	Arg	Gly	Leu	Ser	Tyr	Ile	His	Gln	Arg	Tyr	Ile	Leu	His	Arg	Asp		
		115				120					125						
Leu	Lys	Pro	Gln	Asn	Leu	Leu	Ile	Ser	Asp	Thr	Gly	Glu	Leu	Lys	Leu		
	130				135					140							
Ala	Asp	Phe	Gly	Leu	Ala	Arg	Ala	Lys	Ser	Val	Pro	Ser	His	Thr	Tyr		
	145			150					155					160			
Ser	Asn	Glu	Val	Val	Thr	Leu	Trp	Tyr	Arg	Pro	Pro	Asp	Val	Leu	Leu		
			165					170					175				
Gly	Ser	Thr	Glu	Tyr	Ser	Thr	Cys	Leu	Asp	Met	Trp	Gly	Val	Gly	Cys		
		180					185					190					
Ile	Phe	Val	Glu	Met	Ile	Gln	Gly	Val	Ala	Ala	Phe	Pro	Gly	Met	Lys		
		195				200					205						
Asp	Ile	Gln	Asp	Gln	Leu	Glu	Arg	Ile	Phe	Leu	Val	Leu	Gly	Thr	Pro		
	210					215					220						

Asn	Glu	Asp	Thr	Trp	Pro	Gly	Val	His	Ser	Leu	Pro	His	Phe	Lys	Pro
225					230					235					240
Glu	Arg	Phe	Thr	Val	Tyr	Asn	Ser	Lys	Ser	Leu	Arg	Gln	Ala	Trp	Asn
				245					250						255
Lys	Leu	Ser	Tyr	Val	Asn	His	Ala	Glu	Asp	Leu	Ala	Ser	Lys	Leu	Leu
			260					265					270		
Gln	Cys	Ser	Pro	Lys	Asn	Arg	Leu	Ser	Ala	Gln	Ala	Ala	Leu	Ser	His
		275					280					285			
Glu	Tyr	Phe	Ser	Asp	Leu	Pro	Pro	Arg	Leu	Trp	Glu	Leu	Thr	Asp	Met
	290					295					300				
Ser	Ser	Ile	Phe	Thr	Val	Pro	Asn	Val	Arg	Leu	Gln	Pro	Glu	Ala	Gly
305					310					315					320
Glu	Ser	Met	Arg	Ala	Phe	Gly	Lys	Asn	Asn						
				325					330						

1